



**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

PATENT APPLICATION

APPLICANT(S): J. Jeremy Rice
Ajay K. Royyuru
Gustavo Stolovitzky
Yuhai Tu

"Express Mail" Label No.: EV326909030US

I hereby certify that this paper is being deposited with the U. S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated below and is addressed to:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**ASSIGNEE
NAME:** International Business
Machines Corporation

Signature: *Line Maurice* Date: October 31, 2003

**ASSIGNEE
RESIDENCE:** Armonk, New York

TITLE: **TECHNIQUES FOR RECONSTRUCTING SUPPLY CHAIN
NETWORKS USING PAIR-WISE CORRELATION ANALYSIS**

**MAIL STOP PATENT APPLICATION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450**

SIR:

Enclosed are the following papers relating to the above-named application for patent:

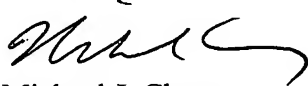
Application - 37 pages of Specification, 4 pages of Claims and 1 page of Abstract
12 Sheets of informal drawing(s)
Declaration and Power of Attorney (unexecuted)

CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	24 - 20 =	4	x \$18 =	\$ 72
Independent Claims	3 - 3 =	0	x \$86 =	\$ 0
Multiple Dependent Claim(s), if applicable			\$ 280 =	\$ 0
Basic Fee				\$770
			TOTAL FEE:	\$842

Please file the application and charge **International Business Machines Corporation's Deposit Account No. 50-0510** the amount of \$842 to cover the filing fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation's Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.

Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 1300 Post Road, Suite 205, Fairfield, CT 06824**. Telephone calls should be made to the under-signed attorney at (203) 255-6560.

Respectfully,

A handwritten signature in black ink, appearing to read 'Michael J. Chang', with a stylized flourish at the end.

Date: October 31, 2003

Michael J. Chang
Attorney for Applicants
Reg. No. 46,611
Ryan, Mason & Lewis, LLP
1300 Post Road, Suite 205
Fairfield, CT 06824
(203) 255-6560